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(54) IMPROVEMENTS IN AND RELATING TO COVERS AND SHEETS FOR MATTRESSES

(71) We, KIMBERLY-CLARK CORPORATION, a Corporation organised under the laws of the State of Delaware, United States of America of Neenah, Wisconsin, United States of America, do hereby declare the invention for which we pray that a patent may be granted to us and the method by which it is to be performed to be particularly described in and by the following statement:—

The present invention relates to bed sheets and more particularly to a simplified, fitted sheet construction constituting a cover for the mattress-like pad of a baby's bassinet.

It is an object of the present invention to provide an improved bassinet sheet construction which utilises a single piece of sheet material.

A cover in accordance with the invention comprises a single piece of pliable non-woven cellulosic sheet material and comprising a main rectangular body portion and two rectangular, equal width under-folded pocket-forming portions underlying said main body portion and having the upper surfaces of the pocket-forming portions bonded by adhesive or glue at the ends of the pocket-forming portions to the undersurface of said main body portion, in flat condition of all portions, along lines extending parallel and adjacent to the end edges of the main body portion to form side pockets under the main body portion, whereby the side regions of a rectangular bassinet pad may be positioned within the pockets to place the cover on the pad.

Such a cover may be assembled from a single sheet of pliable non-woven cellulosic sheet material glued or pasted together along predetermined lines. It is contemplated that the material shall be of low cost and that the complete item shall, therefore, also be of low cost, so that after a single usage the item may be discarded.

An embodiment of the invention will now be described by way of example with reference to the accompanying drawings in which:

Figure 1 is a top plan view of a bassinet pad cover in flat conditions;

Figure 2 is a bottom plan view of the pad cover in flat condition;

Figure 3 is a plan view of the blank from which the pad cover is made; and

Figure 4 is a bottom plan view of a bassinet pad onto which the cover has been slipped.

Referring to Figure 3 of the drawings, in particular, there is illustrated a blank 10 of sheet material from which the bassinet pad cover of the invention may be made. The blank 10 is in the form of a simple rectangle which is of greater length than width and may be of lightweight absorbent paper, for example, but preferably, the blank is made from a fibre or thread reinforced cellulosic sheet. A thread-reinforced cellulosic product of a type suitable for use in this connection is, for example, disclosed in the co-pending application No. 27015/66 (Serial No. 1,152,372). Preferably also, the fibres or threads for reinforcing extend both longitudinally and transversely of the blank 10, and, for this purpose, cellulosic sheets having threads extending in only one direction may be plied and bonded together so that in the final product the threads extending two directions at right angles to each other.

In order to make the bassinet pad cover, adhesive or glue is applied to the blank 10 along lines 16, 17, 18 and 19 which extend parallel to and adjacent the end edges of the blank. The blank is then folded lengthwise on lines 11 and 12, parallel with the side edges of the blank, the portions 14 and 15 being bonded by means of the adhesive or glue in face to face relationship to the main body portion 13. The portions 14 and 15 underlying the main body portion 13 provide closed end pockets in the side of the main body portion 13. (see Figures 1 and 2).

The pad cover may be used simply by inserting one side edge and region of a bas-

sinet pad into one of the pockets on one side of the pad cover, such as that formed by the underlying longitudinally extending portion 14, and then drawing the pad cover over the other side edge of the bassinet pad, so as to bring the other underlying portion 15 underneath the pad to dispose this side region of the pad into the other pocket formed by the underlying portion 15.

Although the pad cover is made from a single piece of pliable non-woven cellulosic sheet material and the bassinet pad has substantial thickness, nevertheless, the pad cover is made sufficiently large, particularly in length, so that there is no difficulty in putting the pad cover in place on the pad. A standard size of bassinet pad is 26 inches by 13 inches, and the pad may be between $1\frac{1}{2}$ to 2 inches thick. In order to accommodate a pad of this size, the blank 10 may be 30 inches long and 20 inches wide. The longitudinal fold lines 11 and 12 are so placed that the main body portion 13 of the pad cover is $13\frac{1}{2}$ inches wide. The glue lines 16 to 19 are co-extensive in length with the width of the underlying portions 14 and 15, and they are placed quite close to the end edges of the blank 10, so that there is a space between opposite glue lines in the illustrated embodiment of $29\frac{1}{2}$ inches.

A cover installed in place on a bassinet pad has some looseness at its ends and also in the underlying portion 14 and 15, since it is formed from a single flat blank 10. A cover so installed in place on a pad is illustrated in Figure 4. Since the pad is supported in the bassinet on a flat surface of some type, the loose parts of the portions 14 and 15 may be suitably tucked underneath the pad, so that the body portion 13 of the cover on the top of the pad is entirely smooth. Since the pockets formed by the underlying portion 14 and 15 are closed on their ends by the glue lines 16 to 19, there is not possibility of the cover coming loose from the pad while in use, even though a baby in the bassinet might be quite active.

It will be noted that the adhesive lines 16 to 19 fasten the inner under surface of the main body portion 13 to the upper surface of the underfolded portions 14 and 15 (looking at the cover in its Figure 1 condition) in flat condition of all these portions before installation on a pad; and, therefore, the

finished cover is quite flat. Covers of this type may thus be folded and packed together in flat condition. Since a relatively inexpensive pliable non-woven cellulosic sheet material is preferably used for the bassinet pad cover and since the cover is made from a single piece of the sheet material, the cover may be very inexpensive and may, therefore, be discarded and replaced after a single usage. Since the blank 10 preferably has reinforcing threads or fibres in it extending both lengthwise and crosswise, the finished cover likewise has lengthwise and crosswise reinforcing fibres in it to make the cover strong and quite resistant to tearing.

WHAT WE CLAIM IS:—

1. A cover for a bassinet pad or the like mattress formed from a single piece of pliable non-woven cellulosic sheet material and comprising a main rectangular body portion and two rectangular, equal width under-folded pocket-forming portions underlying said main body portion and having the upper surface of the pocket-forming portions bonded by adhesive or glue at the ends of the pocket-forming portions to the undersurface of said main body portion, in flat condition of all portions, along lines extending parallel and adjacent to the end edges of the main body portion to form side pockets under the main body portion, whereby the side regions of a rectangular bassinet pad may be positioned within the pockets to place the cover on the pad.

2. A cover as claimed in Claim 1 in which the sheet material includes reinforcing fibres within the material which extend both lengthwise and crosswise of said body and pocket forming portions.

3. A cover as claimed in either Claim 1 or 2 in which the body portion is about $13\frac{1}{2}$ inches wide and said body and pocket forming portions are about 30 inches long.

4. A blank for a cover as claimed in any preceding claims substantially as hereinbefore described with reference to the accompanying drawings.

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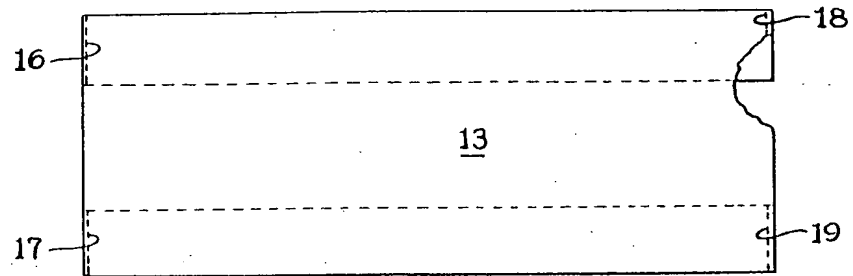
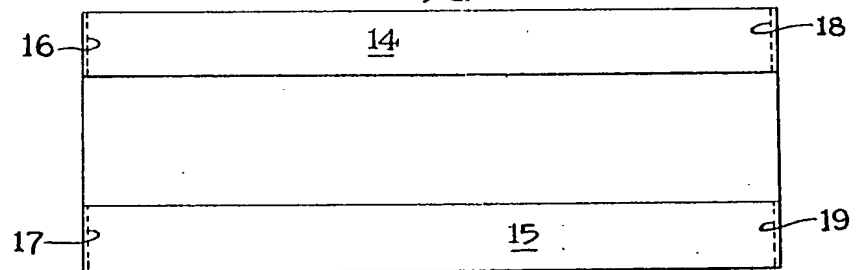
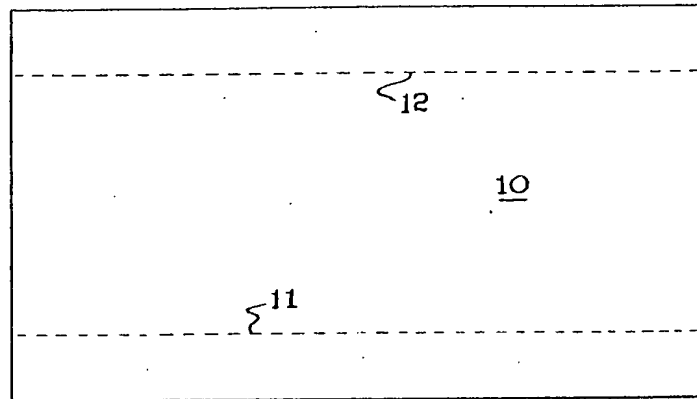
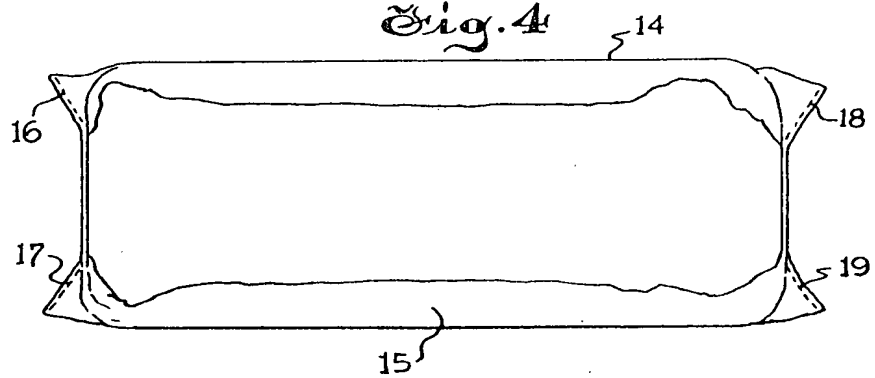
Fig. 1*Fig. 2***BEST AVAILABLE COPY**

Fig. 3*Fig. 4***BEST AVAILABLE COPY**